

Recreational Use Attainability Analysis

Cover Sheet

Water Body Name: Mineral Spring Hollow

Water Body Identification #: 3617

Completed UAA Checklist:

- ☒ Pre-Field Preparatory Data Sheet
- ☒ Maps with actual survey sites marked
- ☒ Data Sheet A
- ☒ Data Sheet B – 3 of 3 pages for each site
 - Number of Sites: 3
- ☒ Data Sheet C (if applicable)
 - Number of Interviews: 0
- ☒ Photographs
 - Quantities
 - Upstream 3
 - Downstream 3
 - Other 2

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported in this UAA is true and accurate.

Signed: John Roberts Date: 07-28-06
Printed Name: John Roberts Telephone #: 410-356-8993
Organization: Tetra tech, Inc Position: Scientist

Pre-Field Preparatory Data Sheet
for Recreational Use Stream Surveys

| | |
|---|---|
| Water Body Name: (from USGS 7.5' quad) Mineral Spring Hollow | |
| 8-digit HUC: 10290202 | Missouri Water Body Identification (WBID) #: 3617 |
| County: Texas | |
| Upstream Legal Description: 871 37.36264, -91.97011 | |
| Downstream Legal Description: (869) 37.36243, -91.96914 | |
| Discharger Facility Name(s): | |
| Discharger Permit Number(s): | |
| Weather Conditions for Past 7 days: Hot Clear | |

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest.

HELP

Topo USA

Zoom Level: 13.4

Rotation: 200

Latitude: N37.34755°

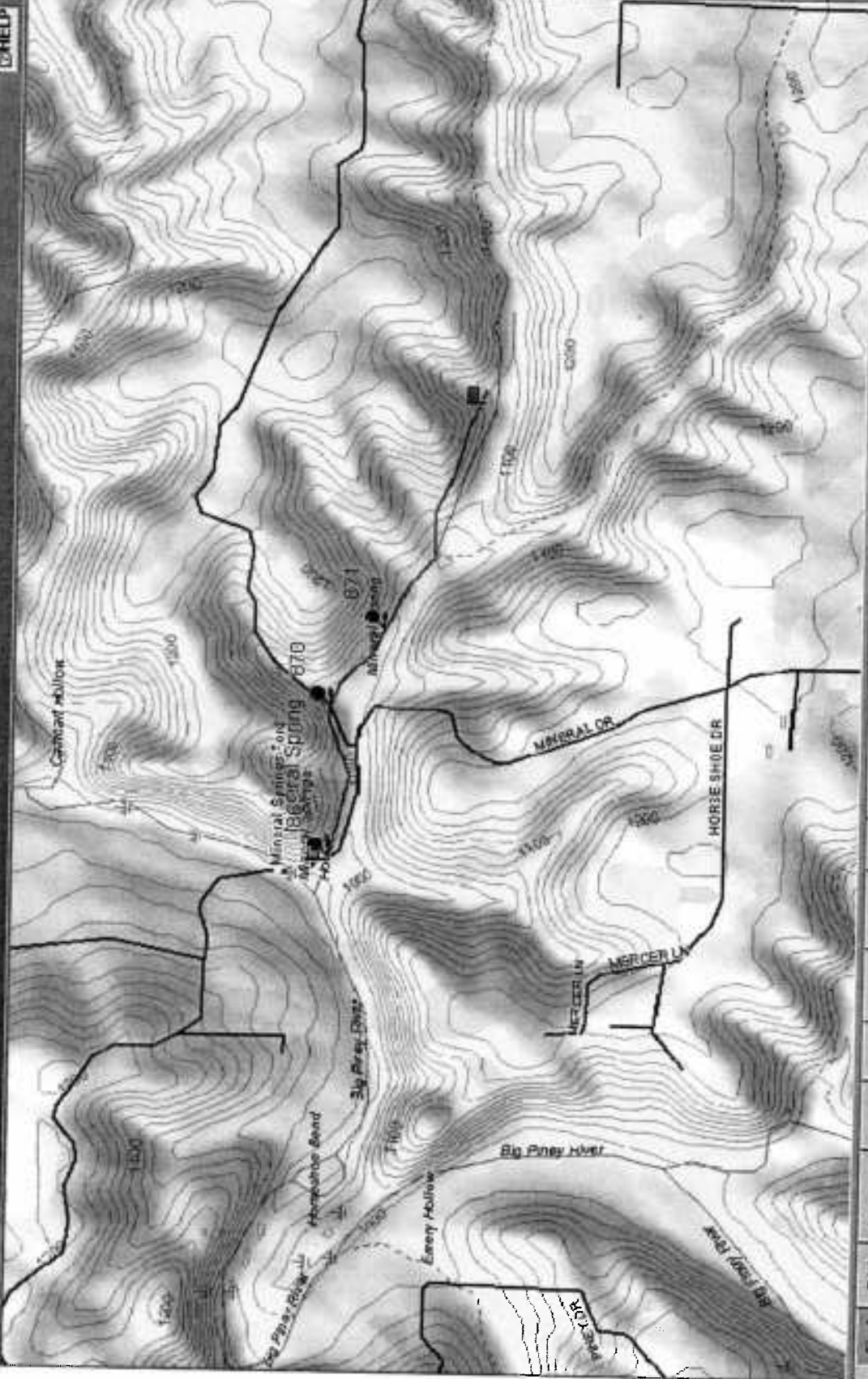
Longitude: W97.97151°

Elevation: 1,495 feet

50 feet interval

Magnify: 100%

0 ft 1000



Find Print MapData Draw GPS Route Profile S-D Map Display HelpLink

QuickSearch Advanced

Advanced results for: Texas County, MO

New Search Go To MapTags

| Name | City/Town | State | ZIP Code | US County | Category |
|---------------------|---------------|-------|----------|---------------|-----------------|
| Texas County | | MO | | Texas County | US County (US) |
| Texas Lookout Tower | Licking | MO | 65542 | Texas County | Unclassified Le |
| Texas township | | MO | | Dart County | Township or Di |
| Textor | Warrall Grove | MO | 65770 | Greene County | Private Airport |

Select to highlight. Double-click to center.

WBID # 3617

Date: 7 / 17 / 2006

2

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

| | |
|-----------------------------|---|
| Water Body Name: | Mineral Spring Hollow |
| WBID #: | 3617 |
| Upstream Coordinates: | |
| (WGS 84, ddd.ddddd) | (871) 37.36264, -91.97011 |
| Downstream Coordinates: | |
| (WGS 84, ddd.ddddd) | ⁸⁶⁹ _{1.11.06} (870) 37.36243, -91.96914 |
| Current Weather Conditions: | Clear Hot |
| Number of Sites Evaluated: | 3 |
| Name(s) of Surveyor(s): | Chad Barbour John Roberts |

WBID # 3617 Site # 869Date: 07 / 16 / 2006

3

Field Data Sheets for Recreational Use Stream Surveys**Data Sheet B - Site Characterization - 1 of 3**
(A separate Data Sheet B must be completed for each site)

| | |
|---|---------------------------|
| Latitude (ddd.dddd): <u>37.36243</u> | Arrival Time: <u>1005</u> |
| Longitude (ddd.dddd): <u>091.96914</u> Acc: <u>16.7 FT</u> | |
| Photo Ids: Upstream: <u>0662</u> Downstream: <u>0663</u> Other: | |
| <u>0664 - PARK</u> <u>0665 - ACCESS</u> | |

Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)

MINGRAL SPRINGS CONSERVATION AREA - MINGRAL DRIVE ROAD CROSSING.

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

| | | | | |
|--|---|---|--|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds |
| <input checked="" type="checkbox"/> Boating accesses | <input checked="" type="checkbox"/> State parks | <input type="checkbox"/> National forests | <input type="checkbox"/> Nature trails | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign | <input type="checkbox"/> Fence | <input type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <u>FOREST - SEE PHOTOS 0662, 0663</u> | |

Human Uses Observed*:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Evidence of Human Use*:

| | | | | |
|---|--|--|---|--|
| <input checked="" type="checkbox"/> Roads | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge | <input type="checkbox"/> Fishing Tackle |
| <input type="checkbox"/> Other: | | | | |

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)

NO OBVIOUS SOURCES

QL: 07-16-06

John Peter

WBID # 3617 Site # 869Date: 07 / 16 / 2006

4

Data Sheet B - Site Characterization - 2 of 3

Stream Morphology:

Upstream View Physical Dimensions: 0.17, 0.14, 0.16m

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|---|--------------------------------|------------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input type="checkbox"/> Pool | <u>8</u> | <u>4.2</u> | <u>8</u> | <u>0.16</u> | <u>0.17</u> |
| <input checked="" type="checkbox"/> Flow Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Velocity (ft/sec): <u>1m=5s</u> | | | | | |

Downstream View Physical Dimensions: 0.95, 0.98, 0.94m

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|---|--------------------------------|------------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | <u>7</u> | <u>1.2</u> | <u>7</u> | <u>0.96</u> | <u>0.98</u> |
| <input type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Velocity (ft/sec): | | | | | |

Substrate*: (These values should add up to 100%.)

| | | | | | |
|--------------------|-------------------|------------------|--------|------------|-----------|
| <u>10</u> % Cobble | <u>5</u> % Gravel | <u>85</u> % Sand | % Silt | % Mud/Clay | % Bedrock |
|--------------------|-------------------|------------------|--------|------------|-----------|

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

NONE

Water Characteristics*: (Mark all that apply.)

| | | | | | |
|------------------|---|---------------------------------|--|--|--|
| Odor: | <input type="checkbox"/> Sewage | <input type="checkbox"/> Musky | <input type="checkbox"/> Chemical | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color: | <input checked="" type="checkbox"/> Clear | <input type="checkbox"/> Green | <input type="checkbox"/> Gray | <input type="checkbox"/> Milky | <input type="checkbox"/> Other: |
| Bottom Deposit: | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solids | <input checked="" type="checkbox"/> Fine sediments | <input type="checkbox"/> None | <input checked="" type="checkbox"/> Other: <u>SAND</u> |
| Surface Deposit: | <input type="checkbox"/> Oil | <input type="checkbox"/> Scum | <input type="checkbox"/> Foam | <input type="checkbox"/> None | <input type="checkbox"/> Other: |

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID # 3617 Site # 869

Date: 07 / 16 / 2006

5

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

NONE

WBID # 3617 Site # 869

Date: 07 / 16 / 2006

6

NONE

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live in the area? ☐ Yes ☐ No

If so, how long have you lived here? _____

2. Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No

If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often do you use it for recreation?

G More than 5 times per year

G 1 – 5 times per year

G Less than 1 time per year – please describe: _____

3. Have you observed others using this water body for recreation since 1975? ☐ Yes ☐ No

If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often have you observed it being used for recreation?

G More than 5 times per year

G 1 – 5 times per year

G Less than 1 time per year – please describe: _____

4. Additional Comments: _____

Contact Information (if willing to provide):

Name:

Address:

Telephone #:

WBID # 3617 Site # 870

3

Date: 07/16/2006**Field Data Sheets for Recreational Use Stream Surveys****Data Sheet B - Site Characterization - 1 of 3**
(A separate Data Sheet B must be completed for each site)

| | |
|---|---------------------------|
| Latitude (ddd.dddd): <u>37.36229</u> | Arrival Time: <u>1020</u> |
| Longitude (ddd.dddd): <u>091.96840</u> <u>ACC: 20.3 FT.</u> | |
| Photo Ids: Upstream: <u>0666</u> Downstream: <u>0667</u> | Other: |

Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)120m UPSTREAM OF A ROAD CROSSING - MINERAL SPRINGS
MINERAL DRIVE**Surrounding Conditions*:** (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

| | | | | |
|--|---|---|---|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds |
| <input type="checkbox"/> Boating accesses | <input checked="" type="checkbox"/> State parks | <input type="checkbox"/> National forests | <input type="checkbox"/> Nature trails | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign | <input type="checkbox"/> Fence | <input type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <u>FOREST - SEE PHOTOS 0666 & 0667</u> | |

Human Uses Observed*:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Evidence of Human Use*:

| | | | | |
|---|--|--|---|--|
| <input checked="" type="checkbox"/> Roads | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge | <input type="checkbox"/> Fishing Tackle |
| <input type="checkbox"/> Other: | | | | |

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)NO OBVIOUS SOURCES.

QL: 07-16-06

John Galt

WBID # 3617 Site # 970Date: 07 / 16 / 2006

4

Data Sheet B - Site Characterization - 2 of 3

Stream Morphology:

Upstream View Physical Dimensions: 0.24, 0.24, 0.23m

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|---|--------------------------------|------------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | <u>20</u> | <u>1.4</u> | <u>25</u> | <u>0.24</u> | <u>0.24</u> |
| <input type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Velocity (ft/sec): | | | | | |

Downstream View Physical Dimensions: 0.19, 0.20, 0.15m

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|---|--------------------------------|------------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input type="checkbox"/> Pool | <u>20</u> | <u>0.9</u> | <u>20</u> | <u>0.53</u> | <u>0.20</u> |
| <input checked="" type="checkbox"/> Flow Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Velocity (ft/sec): <u>1m=8s</u> | | | | | |

Substrate*: (These values should add up to 100%.)

| | | | | | | | |
|----------|-----------|----------|-----------|--------|--------|------------|-----------|
| % Cobble | <u>50</u> | % Gravel | <u>50</u> | % Sand | % Silt | % Mud/Clay | % Bedrock |
|----------|-----------|----------|-----------|--------|--------|------------|-----------|

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

NONE

Water Characteristics*: (Mark all that apply.)

| | | | | | |
|------------------|---|---------------------------------|---|--|--|
| Odor: | <input type="checkbox"/> Sewage | <input type="checkbox"/> Musky | <input type="checkbox"/> Chemical | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color: | <input checked="" type="checkbox"/> Clear | <input type="checkbox"/> Green | <input type="checkbox"/> Gray | <input type="checkbox"/> Milky | <input type="checkbox"/> Other: |
| Bottom Deposit: | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solids | <input type="checkbox"/> Fine sediments | <input checked="" type="checkbox"/> None | <input checked="" type="checkbox"/> Other: |
| Surface Deposit: | <input type="checkbox"/> Oil | <input type="checkbox"/> Scum | <input type="checkbox"/> Foam | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID # 3617 Site # 870

5

Date: 07 / 16 / 2006

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

SITE RELOCATED TO MORE ACCESSIBLE AREA.

WBID # 3617 Site # 270

Date: 07 / 16 / 2006

6

none
Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live in the area? ☐ Yes ☐ No

If so, how long have you lived here? _____

2. Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No
If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often do you use it for recreation?

G More than 5 times per year

G 1 – 5 times per year

G Less than 1 time per year – please describe: _____

3. Have you observed others using this water body for recreation since 1975? ☐ Yes ☐ No
If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often have you observed it being used for recreation?

G More than 5 times per year

G 1 – 5 times per year

G Less than 1 time per year – please describe: _____

4. Additional Comments: _____

Contact Information (if willing to provide):

Name:

Address:

Telephone #:

WBID # 3617 Site # 871

3

Date: 07/16/2006**Field Data Sheets for Recreational Use Stream Surveys****Data Sheet B - Site Characterization - 1 of 3**
(A separate Data Sheet B must be completed for each site)

| | |
|---|---------------------------|
| Latitude (ddd.dddd): <u>37.36264</u> | Arrival Time: <u>1045</u> |
| Longitude (ddd.dddd): <u>091.97011</u> Alt: <u>19.7 FT</u> | |
| Photo Ids: Upstream: <u>0668</u> Downstream: <u>0669</u> Other: | |

Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)100m DOWNSTREAM OF MINERAL DRIVING CROSSING**Surrounding Conditions*:** (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

| | | | | |
|--|---|---|---|---|
| <input type="checkbox"/> City/county parks | <input type="checkbox"/> Playgrounds | <input type="checkbox"/> MDC conservation lands | <input type="checkbox"/> Urban areas | <input type="checkbox"/> Campgrounds |
| <input checked="" type="checkbox"/> Boating accesses | <input checked="" type="checkbox"/> State parks | <input type="checkbox"/> National forests | <input type="checkbox"/> Nature trails | <input type="checkbox"/> Stairs/walkway |
| <input type="checkbox"/> No trespass sign | <input type="checkbox"/> Fence | <input type="checkbox"/> Steep slopes | <input checked="" type="checkbox"/> Other: <u>FOREST SEE PHOTOS 0668 & 0669</u> | |

Human Uses Observed*:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input checked="" type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Evidence of Human Use*:

| | | | | |
|---|--|--|---|--|
| <input checked="" type="checkbox"/> Roads | <input type="checkbox"/> Foot paths/prints | <input type="checkbox"/> Dock/platform | <input type="checkbox"/> Livestock Watering | <input type="checkbox"/> RV / ATV Tracks |
| <input type="checkbox"/> Rope swings | <input type="checkbox"/> Camping Sites | <input type="checkbox"/> Fire pit/ring | <input type="checkbox"/> NPDES Discharge | <input type="checkbox"/> Fishing Tackle |
| <input checked="" type="checkbox"/> Other: <u>APPROX. 100m FROM PARKING AREA.</u> | | | | |

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)NO OBVIOUS SOURCES

07-16-06
John [Signature]

WBID # 3617 Site # 871Date: 07/16/2006

4

Data Sheet B - Site Characterization - 2 of 3

Stream Morphology:

Upstream View Physical Dimensions: 1.0, 1.3, 1.03m

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|---|--------------------------------|------------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | <u>20</u> | <u>7.5</u> | <u>10</u> | <u>1.11</u> | <u>1.3</u> |
| <input type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Velocity (ft/sec): | | | | | |

Downstream View Physical Dimensions: 0.65, 0.65, 0.67m

| | Distance from access point (m) | Width (m) | Length (m) | Avg. Depth (m) | Max Depth (m) |
|---|--------------------------------|------------|------------|----------------|---------------|
| <input type="checkbox"/> Riffle | | | | | |
| <input type="checkbox"/> Run | | | | | |
| <input checked="" type="checkbox"/> Pool | <u>20</u> | <u>7.5</u> | <u>8</u> | <u>0.66</u> | <u>0.67</u> |
| <input type="checkbox"/> Flow Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Velocity (ft/sec): | | | | | |

Substrate*: (These values should add up to 100%.)

| | | | | | | | | | | |
|----------|-----------|----------|--|--------|-----------|--------|-----------|------------|--|-----------|
| % Cobble | <u>70</u> | % Gravel | | % Sand | <u>15</u> | % Silt | <u>15</u> | % Mud/Clay | | % Bedrock |
|----------|-----------|----------|--|--------|-----------|--------|-----------|------------|--|-----------|

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

None

Water Characteristics*: (Mark all that apply.)

| | | | | | |
|------------------|---------------------------------|---------------------------------|--|---|---|
| Odor: | <input type="checkbox"/> Sewage | <input type="checkbox"/> Musky | <input type="checkbox"/> Chemical | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |
| Color: | <input type="checkbox"/> Clear | <input type="checkbox"/> Green | <input type="checkbox"/> Gray | <input checked="" type="checkbox"/> Milky | <input checked="" type="checkbox"/> Other: <u>Brown</u> |
| Bottom Deposit: | <input type="checkbox"/> Sludge | <input type="checkbox"/> Solids | <input checked="" type="checkbox"/> Fine sediments | <input type="checkbox"/> None | <input type="checkbox"/> Other: |
| Surface Deposit: | <input type="checkbox"/> Oil | <input type="checkbox"/> Scum | <input type="checkbox"/> Foam | <input checked="" type="checkbox"/> None | <input type="checkbox"/> Other: |

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID # 3617 Site # 871

5

Date: 07/16/2006

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

SITE MOVED TO MORE ACCESSIBLE AREA.

WBID # 3617 Site # 871

Date: 07 / 16 / 2006

None

6

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live in the area? ☐ Yes ☐ No

If so, how long have you lived here? _____

2. Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No

If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often do you use it for recreation?

G More than 5 times per year

G 1 – 5 times per year

G Less than 1 time per year – please describe: _____

3. Have you observed others using this water body for recreation since 1975? ☐ Yes ☐ No

If so, please check ALL that apply:

| | | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Swimming | <input type="checkbox"/> Skin diving | <input type="checkbox"/> SCUBA diving | <input type="checkbox"/> Tubing | <input type="checkbox"/> Water skiing |
| <input type="checkbox"/> Wind surfing | <input type="checkbox"/> Kayaking | <input type="checkbox"/> Boating | <input type="checkbox"/> Wading | <input type="checkbox"/> Rafting |
| <input type="checkbox"/> Hunting | <input type="checkbox"/> Trapping | <input type="checkbox"/> Fishing | <input type="checkbox"/> None of the above | <input type="checkbox"/> Other: |

How often have you observed it being used for recreation?

G More than 5 times per year

G 1 – 5 times per year

G Less than 1 time per year – please describe: _____

4. Additional Comments: _____

Contact Information (if willing to provide):

Name:

Address:

Telephone #:

WBID# 3617



Site# 869 Photo ID# 0662, Upstream



Site# 869 Photo ID# 0663, Downstream



Site# 869 Photo ID# 0664, Park



Site# 869 Photo ID# 0665, Access

WBID# 3617



Site# 870 Photo ID# 0666, Upstream



Site# 870 Photo ID# 0667, Downstream



Site# 871 Photo ID# 0668, Upstream



Site# 871 Photo ID# 0669, Downstream